~~Duplicate/Triplicate~~ P-3747

Bill No: 1st & part.

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE
(For Other Works)

Head of Account P-3747
Job Number 005-20-000054

Est Cost 1250.00 Lakhs
Division Yelahanka Projects Division
Bill Received No ..... Date .....
Scheduled Docted No

Sub division:
Cash Book Voucher No ..... dated .....

Name of Work (as per sanctioned estimate):Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.

Name of Contractor and Full Address **M/s, A G Narayanaswamy & Co**

Reference to Work order No EE(Project)/YNK Zone/WO/02/2021-22 Dated 26.05.2021
Reference to Agreement No EE/project/AG No: 02/2021-22 Dt: 26-05-2021

Certified that the measurement were taken by me on 11/08/2021 and recorded of pages 582824 to 582838 of measurement Book No 04/20-21 and that the work is satisfactorily executed

Contractor A G Narayanaswamy

Executive Engineer
Officer-in-Charge of work

Certified that the measurements were taken by me on 11/8/2021 and are found correct and the work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer
Sub Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Project Division Yelahanka 31693173.4
2) Deduct amount to be held in reserve being ..... percent Rs	BBMP, Bangalore-92
3) Deduct amount to be held in Balance	
4) Deduct Payments	
a) Amount of previous payment as in the office Cash Book Voucher No ..... Dated ..... S.D No	Deduct 1% 633863.4
Amount adjusted towards cash advance recovery of	Cess 1% 316932.4
b) Payments cost store or other materials supplied	LBFee 1% 31693.4
Now made recovery of amount creditable to this/other work	CAST 282975.2
Amount paid on this bill Cheque/Cash	SASR 282975.2
5) Balance being unpaid value of work done held in reserve	Royalty 1235274.2
6) Deduct cash advance made on the Office Cash Book Voucher No ..... dated ..... less adjustments	Total deduct 2783712.2
7) Net amount due to or from contractor	net payable 28909461.2
Unadjusted items	
8) Advance to contractor for materials brought to site (as detailed) with	
Value of Government materials supplied	

Contractor's Signature

Received Rs.

.....

by cash and by adjustment of Payment as per memorandum

Witnesses
1
2
Dated .....

A G Narayanaswamy Stamp

Signature of Contractor

(For use in the Office)

Audited & Admitted for Rs. (Rs. 3,16,93,173/-)

Paid by me by cheque No ..... dated .....
Cast Rs ..... dated .....

(Rs. 2,89,09,461/-) by Cheque
and Rs. 27,83,712/- by Adjustment

Initials of Officer making payment

18/8/2021
Accts. Supdt.
Project Division
B.B.M.P.

Executive Engineer
Project Division
B.B.M.P.

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Bruhath Bangalore Mahanagara Palike

Projects Division-Yelahanka Zone

Bill No	1st and Part
Job code no	005-20-000054
Work order no	EE(Project)/YNK Zone/WO/02/2021-22 Dated:26.05.2021
Contractor	M/s A G Narayanaswamy

Name of Work:Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.

Sl.No		Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Amount	Qty	Rate Rs.	Amount	Qty.	Amount	
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33,KPWD SR 2018-19)	Sqm			337.20	106.04	35756.69	337.20	35756.69	
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-144)	Cum			1629.68	202.44	329911.86	1629.68	329911.86	
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (P.No-27,I No-5.31.1, KPWD SR 2018-19), 7.5cms thick	Sqm			90.00	684.44	61599.60	90.00	61599.60	
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13,I No-4.2,KPWD SR 2018-19)	Cum			84.00	5109.20	429172.80	84.00	429172.80	
	Above 125%				165.27	5560.70	919041.91	165.27	919041.91	

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Sl.No		Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Amount	Qty	Rate Rs.	Amount	Qty	Amount	
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271,KPWD SR 2018-19)	Cum			206.40	6940.80	1432581.12	206.40	1432581.12	
	Above 125%				336.70	7140.90	2404344.60	336.70	2404344.60	
6	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I No-28.8.2,P No-229)	MT			18.57	67480.00	1253103.60	18.57	1253103.60	
	Above 125%				11.55	80948.07	934950.21	11.55	934950.21	
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm			87.87	5152.58	452757.20	87.87	452757.20	
8	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm			1350.00	2125.62	2869587.00	1350.00	2869587.00	
	Above 125%				178.89	2354.31	421162.52	178.89	421162.52	

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Sl.No		Unit	Previous Measurement		Present Measurement			Total UP to date		Remarks
			Qty	Amount	Qty	Rate Rs	Amount	Qty	Amount	
9	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143,KPWD SR 2018-19)	Cum			7006.40	63.62	445746.95	7006.40	445746.95	
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Cum			4645.86	2073.56	9633471.02	4645.86	9633471.02	
17	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrers, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202.(I No-18.47,P No-140)	Cum			157.17	915.80	143931.71	157.17	143931.71	

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Sl.No		Unit	Previous Measurement		Present Measurement			Total UP to date	
			Qty	Amount	Qty	Rate Rs.	Amount	Qty	Amount
18	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5, with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor. (P.No-174,I No-22.1.1)	Cum			221.40	3368.87	745857.71	221.40	745857.71
19	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)	Cum			221.07	5000.00	1105365.00	221.07	1105365.00

Head of Account P-3747

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Sl.No		Unit	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
			Qty	Amount	Qty	Rate Rs.	Amount	Qty	Amount	
E-1	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (Page, 25 Item 5.26.2)	Sqm			178.72	989.23	176795.19	178.72	176795.19	
E-2	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (Page, 13 Item 4.6)	cum			11.39	5804.79	66128.17	11.39	66128.17	
E-3	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (Page, 27 Item 5.30)	Nos			3351.00	436.80	1463716.80	3351.00	1463716.80	
E-4	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm			21715.64	6.42	139414.38	21715.64	139414.38	
E-5	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page, 147 Item 19.60)	Cum			1263.07	347.95	439484.34	1263.07	439484.34	

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Sl.No		Unit	Previous Measurement		Present Measurement			Total UP-to-date		Remarks
			Qty	Amount	Qty	Rate Rs.	Amount	Qty	Amount	
E-6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page. 153 Item 20.6)	cum			1277.54	1873.55	2393534.13	1277.54	2393534.13	
		Sub Total					28297414.00		28297414.00	
		GST 12%					3395690.00		3395690.00	
		Grand Total					31693104.00		31693104.00	

Certificate:

1 Certified that the contractor has work done satisfactorily
2 The contractor has removed the debris from work site
3 There is no dept. material issued to the contractor

Contractor

PMC

Assistant Engineer
Yelahanka Projects

Assistant Executive Engineer
Yelahanka Projects

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92

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